PATENT APPLICATION #2

ATTORNEY DOCKET NO. 10010958-1 8-12-03

**IN THE**
**UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventor(s): Kang Wu et al

Serial No.: 10/047,344

Examiner: Unknown

Filing Date: 01/15/2002

Group Art Unit: 2184

Title: N-Squared Algorithm For Optimizing Correlated Events

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(X)   under 37 CFR 1.97(b), or
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( )   under 37 CFR 1.97(c) together with either a:
( )   Statement under 37 CFR 1.97(e), or
( )   a $180.00 Processing fee under 37 CFR 1.17(p), or
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Please charge to Deposit Account **50-1078** the sum of $0.00 . At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **50-1078** pursuant to 37 CFR 1.25.

( )   Applicant(s) submit herewith Form PTO 1449. References identified with an asterisk (*) were disclosed in Patent Application No.＿＿＿＿＿＿＿ filed ＿＿＿＿＿＿＿, now U. S. Patent No. ＿＿＿＿＿＿＿, and, as such, copies thereof are not included pursuant to the provisions of 37 CFR 1.98(d).

(X)   A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content  is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

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Date of Deposit: *08-01-03*

Typed Name: **Shirl y A. Gonzales**

Signature:

Respectfully submitted,

**Kang Wu et al**

By

**Cynthia S. Mitchell**
Attorney/Agent for Applicant(s)
Reg. No.   **36,081**

Date: 7/31/03

Telephone No.: (970) 679-3136

**PATENT APPLICATION**

ATTORNEY DOCKET NO. __10010958-1__

COPY

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Date of Deposit: _0 8-01-03_

Typed Name: Shirley A. G nzales

Signature: _Shirley A. Gonzales_

Respectfully submitted,

**Kang Wu et al**

By _Cynthia S Mitchell_

**Cynthia S. Mitchell**
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Reg. No. 36,081

Date: 7/31/03

Telephone No.: (970) 679-3136

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LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

(Use several sheets if necessary)

| ATTY. DOCKET NO. | SERIAL NO. |
|---|---|
| 10010958-1 | 10/047,344 |
| APPLICANT | |
| Kang Wu et al | |
| FILING DATE | GROUP |
| 01/15/2002 | 2184 |

## REFERENCE DESIGNATION    U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | * | DOCUMENT NUMBER | DATE | NAME |
|---|---|---|---|---|
| | | 5,935,264 | Aug 10, 1999 | Leland R. Nevill et al |
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## FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | NAME | TRANSLATION YES | NO |
|---|---|---|---|---|---|---|
| | | EP 1132749 A | Sep 12, 2001 | Toshinori Hosokawa et al | x | |
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## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

| | | |
|---|---|---|
| | | Coudert, Olivier, "On Solving Covering Problems", 33rd Design Automation Conference, Proceedings 1996 (IEEE Cat.No.96CH35932), Proceedings of 33rd Design Automation Conference, Las Vegas, NV, USA, 3-7 June 1996, 1996, New York, NY, USA, ACM, USA, Pages(s) 197-202. XP002246-016 ISBN: 0-89791-779-0 |
| | | Fallah, Farzan et al, "Solving Covering Problems Using LPR-Based Lower Bounds", IEEE Trans. Very Large Scale Integr. (VLSI) Syst. (USA), IEEE Transactions on Very Large Scale Integration (VLSI) Systems, Feb. 2000, IEEE, USA, vol.8, no.1, pages 9-17, XP002246015 ISSN: 1063-8210 |
| | | Coudert, Olivier, "Solving Graph Optimization Problems with ZBDDs", European Design and Test Conference, 1997, ED&TC 97, Proceedings Paris, France 17-20 March 1997, Los Alamitos, CA, USA, IEEE Comput. Soc, US, Page(s) 224-228. XP010218503 ISBN: 0-8186-7786-4 |

| EXAMINER | DATE CONSIDERED |
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| | |

*C pies  f these references ar  not enclosed pursuant to 37 CFR 1.98(d). (S e acc mpanying IDS)

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## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

Brosa, Anna M et al, "On Maximizing the Coverage of Catastrophic and Parametric Faults", European Test Workshop 1999 (CAT. No.PR00390), European Test Workshop 1999, Constance, Germany, 25-28 May 1999, 1999, Los Alamitos, CA, USA, IEEE Comput. Soc, USA, Page(s) 123-128. XP002246017 ISBN: 0-7695-0390-X

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|---|---|
| | |

*C pi s of these r ferences are n t enclos d pursuant t 37 CFR 1.98(d). (See accompanying IDS)

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